

Remarks

I. Introduction

This is in response to the Office Action dated December 3, 2004. The Office Action rejected claims 1, 3-8, 10-13, 15-17, 19-23 and 25-26 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 6,433,866 (Nichols). Claims 2, 9, 14, 18 and 24 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 27-29 were allowed.

II. Amendments to the Specification

Applicants have made several amendments to the specification.

Applicants have amended paragraphs [0054] and [0055] in order to add U.S. Patent Application Publication Number references to the cited patent applications.

Applicants have amended paragraphs [0057] and [0060] to correct minor typographical errors.

Applicants have amended paragraph [0064] to correct typographical errors in two equations. First, the quadratic function between equations (5) and (6) has been corrected to change one “=” sign to a “-” sign. This correction is clearly typographical in nature and adds no new matter. Second, the final equation in paragraph [0064] has been amended to add $C_{\parallel}(X-T)$ to the equation. Since

matrix $\frac{\tan(\theta)}{((X-T)C_{\parallel}(X-T))^{\frac{1}{2}}}$ must be multiplied by a vector, the amendment

corrects to the typographical error of omitting $C_{\parallel}(X-T)$. Without the

amendment, the expression $\frac{\tan(\theta)}{((X-T)C_{\parallel}(X-T))^{\frac{1}{2}}}-h$ was an incorrect expression.

Thus, the amendment merely corrects a typographical omission in the equation

which would be apparent to one skilled in the art. Thus, this amendment adds no new matter.

III. Claims

Applicants have cancelled rejected claims 1, 3, 10, 13, 17, 22 and 23. Such cancellation of claims is without prejudice and Applicants reserve the right to present these claims in this application or a continuation application.

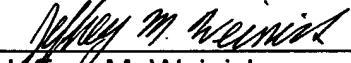
Applicants have rewritten objected to claims 2, 14, 18 and 24 in independent form including all of the limitations of the base claim. As such, independent claims 2, 14, 18, 24 and 27 are in condition for allowance. Claims 4, 7, 8, 9, 11, 12, 15, 16, 19, 20, 21, 25 and 26 have been amended so that they now depend from an allowable independent claim and are therefore also allowable. As such all dependent claims now depend upon an allowable independent claim and are therefore also allowable.

Applicant respectfully submits that this application is now in condition for allowance. Reconsideration and allowance of pending claims 2, 4-9, 11, 12, 14-16, 18-21 and 24-29 is requested.

IV. Conclusion

For the reasons discussed above, all pending claims are allowable over the cited art. Reconsideration and allowance of all claims is respectfully requested.

Respectfully submitted,



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